L Number	Hits	Search Text	DB	Time stamp
2	8	US-5963316-$.DID. OR US-5783173-$.DID. OR US-5632996-$.DID. OR US-5849273-$.DID.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 12:58
3	29	(US-4323694-$.DID. OR US-4322545-$.DID. OR US-4275222-$.DID. OR US-4791097-$.DID. OR US-5270461-$.DID. OR US-5271930-$.DID. OR US-2997494-$.DID. OR US-3843719-$.DID. OR US-4304925-$.DID. OR US-4506091-$.DID. OR US-5302746-$.DID.) or (US-5963316-$.DID. OR US-5783173-$.DID. OR US-5632996-$.DID. OR US-5849273-$.DID.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 12:58
4	225443	stannous or tin	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
5	732	(stannous or tin) adj oxalate	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
6	59380	esterification	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
7	98838	esterif$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
8	12272	(stannous or tin) and esterif$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
9	57002	odor	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
10	710	((stannous or tin) and esterif$) and odor	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
11	71445	zinc adj oxide	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
12	46630	zno	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
13	104388	(zinc adj oxide) or zno	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
14	4380	((zinc adj oxide) or zno) and esterif$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
15	3181	neodol	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
16	2185	esterification and odor	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
17	105	odor adj elimination	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
18	2782	esterification and ((zinc adj oxide) or zno)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
19	4380	esterif$ and ((zinc adj oxide) or zno)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
20	136	deoderiz$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
21	31316	deodoriz$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
22	813	esterif$ and deodoriz$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58

23	88415	hydrogen adj peroxide	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
24	63717	benzoate$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
25	3552	odor and benzoate$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
26	5576	emollient	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
27	16402	methanesulfonic adj acid	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
28	4264	esterif$ and (methanesulfonic adj acid)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
29	1108	benzoate$ and (esterif$ and (methanesulfonic adj acid))	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
30	46630	ZnO	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
31	32943	ZnO not (zinc adj oxide)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
32	88415	hydrogen adj peroxide	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
33	7175	benzoate$ and (hydrogen adj peroxide)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
34	441	wantanabe	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
35	17349	ethylhexano$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
36	2	walele and ethylhexano$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
37	33395	oxalate	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
38	5636	octanoate	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
39	192	(560/98).CCLS.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
40	3	walele and octanoate	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
41	677266	color	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
42	0	(ZnO not (zinc adj oxide)) and (("560/98").CCLS.)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
43	18281	esterif$ and color	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
44	2547	(hydrogen adj peroxide) and (esterif$ and color)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
45	270	560/78.ccls.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
46	246	tin adj oxalate	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58

47	89116	sodium adj carbonate	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
48	0	((hydrogen adj peroxide) and (esterif$ and color)) and (tin adj oxalate)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
49	34065	bleach	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
50	9942	bleaching adj agent	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
51	637557	ester or esters	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
52	3349	(bleaching adj agent) and (ester or esters)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
53	0	filtr&	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
54	341623	filtr$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
55	164	((stannous or tin) adj oxalate) and filtr$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
56	88	esterif$ and (((stannous or tin) adj oxalate) and filtr$)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
57	407	octanoate and odor	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
58	6083	sunscreen	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
59	704	(554/227).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 12:58
60	1034	((554/227).CCLS.) or ((554/175).CCLS.)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
61	1	((odor adj (reduc$)) and emollient) and (odor and (((554/227).CCLS.) or ((554/175).CCLS.)))	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
62	95	560/99.ccls.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
63	698	(560/103).CCLS.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
64	422	(560/112).CCLS.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
65	377	(560/248).CCLS.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
66	351	(554/175).CCLS.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58
67	6505	(esterification and odor) or (odor adj elimination) or (esterification and ((zinc adj oxide) or zno))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 12:59
68	61	(554/182).CCLS.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59
69	694	(554/227).CCLS.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59

1	21	US-4323694-$.DID. OR US-4322545-$.DID. OR US-4275222-$.DID. OR US-4791097-$.DID. OR US-5270461-$.DID. OR US-5271930-$.DID. OR US-2997494-$.DID. OR US-3843719-$.DID. OR US-4304925-$.DID. OR US-4506091-$.DID. OR US-5302746-$.DID.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 12:59
70	2	((stannous or tin) and esterif$) and (odor adj reduction)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59
71	1	(odor adj reduction) and (((zinc adj oxide) or zno) and esterif$)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59
72	324	odor adj reduction	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59
73	4	(odor adj reduction) and neodol	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59
74	2	(esterification and odor) and (odor adj elimination)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59
75	1	(esterif$ and ((zinc adj oxide) or zno)) and (odor adj reduction)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59
76	11	esterif$ and deoderiz$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59
77	124	(hydrogen adj peroxide) and (esterif$ and deodoriz$)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59
78	34	((hydrogen adj peroxide) and (esterif$ and deodoriz$)) and neodol	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59
79	65	benzoate$ and (odor adj (reduc$))	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59
80	13	(odor adj (reduc$)) and emollient	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59
81	836	odor adj (reduc$)	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
82	39	odor and (benzoate$ and (esterif$ and (methanesulfonic adj acid)))	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
83	25	ester adj odor	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
84	2	4791097.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
85	11	4791097.URPN.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
86	4	4304925.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
87	2	(methanesulfonic adj acid) and (("560/98").CCLS.)	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
88	6	wantanabe and ((zinc adj oxide) or zno)	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
89	5	(zinc adj oxide) and (("560/98").CCLS.)	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
90	15	4304925.URPN.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
91	2	5270461.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00

92	49	walele	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
93	6	walele and oxalate	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
94	2	(walele and oxalate) and (walele and octanoate)	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
95	17	wantanabe and (hydrogen adj peroxide)	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
96	11	wantanabe and oxalate	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
97	410	bleach and ((hydrogen adj peroxide) and (esterif$ and color))	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
98	6	odor and 560/78.ccls.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
99	2	5670677.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
100	7	odor and (esterif$ and (((stannous or tin) adj oxalate) and filtr$))	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
101	2	4791097.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
102	2	5270461.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
103	2	5271030.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
104	2	5271930.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
105	42	(octanoate and odor) and sunscreen	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
106	2	5693316.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
107	2	4506091.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
108	6	8806878.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
109	2	4275222.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
110	1	3393225.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
111	4	4323694.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
112	3	4323693.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
113	4	4322545.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
114	360	(554/175).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 13:00

115	2	4275223.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
116	41	((554/175).CCLS.) and esterif$	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
117	2	2997494.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 13:00
118	64	odor and deoderiz$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 13:00
119	62	odor and (((554/227).CCLS.) or ((554/175).CCLS.))	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
120	2	6441228.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 13:00
121	2	odor and 560/99.ccls.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00
122	5	3506704.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 13:00
123	92	(554/176).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 13:00
124	2	5236987.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 13:00
125	11	odor and ((554/176).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 13:00

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	BRS	L2	8	US-5963316-$.DID. OR US-5783173-$.DID. OR US-5632996-$.DID. OR US-5849273-$.DID.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 12:58		
2	BRS	L3	29	(US-4323694-$.DID. OR US-4322545-$.DID. OR US-4275222-$.DID. OR US-4791097-$.DID. OR US-5270461-$.DID. OR US-5271930-$.DID. OR US-2997494-$.DID. OR US-3843719-$.DID. OR US-4304925-$.DID. OR US-4506091-$.DID. OR US-5302746-$.DID.) or (US-5963316-$.DID. OR US-5783173-$.DID. OR US-5632996-$.DID. OR US-5849273-$.DID.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 12:58		
3	BRS	L4	225443	stannous or tin	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
4	BRS	L5	732	(stannous or tin) adj oxalate	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
5	BRS	L6	59380	esterification	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
6	BRS	L7	98838	esterif$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
7	BRS	L8	12272	(stannous or tin) and esterif$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
8	BRS	L9	57002	odor	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		

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2	0
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4	0
5	0
6	0
7	0
8	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
9	BRS	L10	710	((stannous or tin) and esterif$) and odor	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
10	BRS	L11	71445	zinc adj oxide	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
11	BRS	L12	46630	zno	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
12	BRS	L13	104388	(zinc adj oxide) or zno	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
13	BRS	L14	4380	((zinc adj oxide) or zno) and esterif$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
14	BRS	L15	3181	neodol	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
15	BRS	L16	2185	esterification and odor	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
16	BRS	L17	105	odor adj elimination	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
17	BRS	L18	2782	esterification and ((zinc adj oxide) or zno)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
18	BRS	L19	4380	esterif$ and ((zinc adj oxide) or zno)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		

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9	0
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11	0
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
19	BRS	L20	136	deoderiz$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
20	BRS	L21	31316	deodoriz$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
21	BRS	L22	813	esterif$ and deodoriz$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
22	BRS	L23	88415	hydrogen adj peroxide	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
23	BRS	L24	63717	benzoate$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
24	BRS	L25	3552	odor and benzoate$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
25	BRS	L26	5576	emollient	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
26	BRS	L27	16402	methanesulfonic adj acid	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
27	BRS	L28	4264	esterif$ and (methanesulfonic adj acid)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
28	BRS	L29	1108	benzoate$ and (esterif$ and (methanesulfonic adj acid))	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		

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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
29	BRS	L30	46630	ZnO	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
30	BRS	L31	32943	ZnO not (zinc adj oxide)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
31	BRS	L32	88415	hydrogen adj peroxide	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
32	BRS	L33	7175	benzoate$ and (hydrogen adj peroxide)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
33	BRS	L34	441	wantanabe	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
34	BRS	L35	17349	ethylhexano$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
35	BRS	L36	2	walele and ethylhexano$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
36	BRS	L37	33395	oxalate	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
37	BRS	L38	5636	octanoate	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
38	IS&R	L39	192	(560/98).CCLS.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		

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30	0
31	0
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33	0
34	0
35	0
36	0
37	0
38	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
39	BRS	L40	3	walele and octanoate	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
40	BRS	L41	677266	color	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
41	BRS	L42	0	(ZnO not (zinc adj oxide)) and (("560/98").CCLS.)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
42	BRS	L43	18281	esterif$ and color	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
43	BRS	L44	2547	(hydrogen adj peroxide) and (esterif$ and color)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
44	BRS	L45	270	560/78.ccls.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
45	BRS	L46	246	tin adj oxalate	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
46	BRS	L47	89116	sodium adj carbonate	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
47	BRS	L48	0	((hydrogen adj peroxide) and (esterif$ and color)) and (tin adj oxalate)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
48	BRS	L49	34065	bleach	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		

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39	0
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
49	BRS	L50	9942	bleaching adj agent	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
50	BRS	L51	637557	ester or esters	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
51	BRS	L52	3349	(bleaching adj agent) and (ester or esters)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
52	BRS	L53	0	filtr&	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
53	BRS	L54	341623	filtr$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
54	BRS	L55	164	((stannous or tin) adj oxalate) and filtr$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
55	BRS	L56	88	esterif$ and (((stannous or tin) adj oxalate) and filtr$)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
56	BRS	L57	407	octanoate and odor	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
57	BRS	L58	6083	sunscreen	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
58	IS&R	L59	704	(554/227).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 12:58		

	Errors
49	0
50	0
51	0
52	0
53	0
54	0
55	0
56	0
57	0
58	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
59	BRS	L60	1034	((554/227).CCLS.) or ((554/175).CCLS.)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
60	BRS	L61	1	((odor adj (reduc$)) and emollient) and (odor and (((554/227).CCLS.) or ((554/175).CCLS.)))	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
61	BRS	L62	95	560/99.ccls.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
62	IS&R	L63	698	(560/103).CCLS.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
63	IS&R	L64	422	(560/112).CCLS.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
64	IS&R	L65	377	(560/248).CCLS.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
65	IS&R	L66	351	(554/175).CCLS.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:58		
66	BRS	L67	6505	(esterification and odor) or (odor adj elimination) or (esterification and ((zinc adj oxide) or zno))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 12:59		
67	IS&R	L68	61	(554/182).CCLS.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59		
68	IS&R	L69	694	(554/227).CCLS.	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59		

	Errors
59	0
60	0
61	0
62	0
63	0
64	0
65	0
66	0
67	0
68	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
69	BRS	L1	21	US-4323694-$.DID. OR US-4322545-$.DID. OR US-4275222-$.DID. OR US-4791097-$.DID. OR US-5270461-$.DID. OR US-5271930-$.DID. OR US-2997494-$.DID. OR US-3843719-$.DID. OR US-4304925-$.DID. OR US-4506091-$.DID. OR US-5302746-$.DID.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 12:59		
70	BRS	L70	2	((stannous or tin) and esterif$) and (odor adj reduction)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59		
71	BRS	L71	1	(odor adj reduction) and (((zinc adj oxide) or zno) and esterif$)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59		
72	BRS	L72	324	odor adj reduction	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59		
73	BRS	L73	4	(odor adj reduction) and neodol	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59		
74	BRS	L74	2	(esterification and odor) and (odor adj elimination)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59		
75	BRS	L75	1	(esterif$ and ((zinc adj oxide) or zno)) and (odor adj reduction)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59		
76	BRS	L76	11	esterif$ and deoderiz$	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59		
77	BRS	L77	124	(hydrogen adj peroxide) and (esterif$ and deodoriz$)	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59		

	Errors
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
78	BRS	L78	34	((hydrogen adj peroxide) and (esterif$ and deodoriz$)) and neodol	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59		
79	BRS	L79	65	benzoate$ and (odor adj (reduc$))	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59		
80	BRS	L80	13	(odor adj (reduc$)) and emollient	USPAT; EPO; JPO; DERWENT	2004/07/19 12:59		
81	BRS	L81	836	odor adj (reduc$)	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
82	BRS	L82	39	odor and (benzoate$ and (esterif$ and (methanesulfonic adj acid)))	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
83	BRS	L83	25	ester adj odor	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
84	BRS	L84	2	4791097.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
85	BRS	L85	11	4791097.URPN.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
86	BRS	L86	4	4304925.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
87	BRS	L87	2	(methanesulfonic adj acid) and (("560/98").CCLS.)	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		

	Errors
78	0
79	0
80	0
81	0
82	0
83	0
84	0
85	0
86	0
87	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
88	BRS	L88	6	wantanabe and ((zinc adj oxide) or zno)	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
89	BRS	L89	5	(zinc adj oxide) and (("560/98").CCLS.)	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
90	BRS	L90	15	4304925.URPN.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
91	BRS	L91	2	5270461.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
92	BRS	L92	49	walele	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
93	BRS	L93	6	walele and oxalate	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
94	BRS	L94	2	(walele and oxalate) and (walele and octanoate)	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
95	BRS	L95	17	wantanabe and (hydrogen adj peroxide)	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
96	BRS	L96	11	wantanabe and oxalate	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
97	BRS	L97	410	bleach and ((hydrogen adj peroxide) and (esterif$ and color))	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		

	Errors
88	0
89	0
90	0
91	0
92	0
93	0
94	0
95	0
96	0
97	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
98	BRS	L98	6	odor and 560/78.ccls.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
99	BRS	L99	2	5670677.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
100	BRS	L100	7	odor and (esterif$ and (((stannous or tin) adj oxalate) and filtr$))	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
101	BRS	L101	2	4791097.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
102	BRS	L102	2	5270461.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
103	BRS	L103	2	5271030.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
104	BRS	L104	2	5271930.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
105	BRS	L105	42	(octanoate and odor) and sunscreen	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
106	BRS	L106	2	5693316.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
107	BRS	L107	2	4506091.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		

	Errors
98	0
99	0
100	0
101	0
102	0
103	0
104	0
105	0
106	0
107	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
108	BRS	L108	6	8806878.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
109	BRS	L109	2	4275222.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
110	BRS	L110	1	3393225.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
111	BRS	L111	4	4323694.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
112	BRS	L112	3	4323693.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
113	BRS	L113	4	4322545.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
114	IS&R	L114	360	(554/175).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 13:00		
115	BRS	L115	2	4275223.pn.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
116	BRS	L116	41	((554/175).CCLS.) and esterif$	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		

	Errors
108	0
109	0
110	0
111	0
112	0
113	0
114	0
115	0
116	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
117	BRS	L117	2	2997494.pn.	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/07/19 13:00		
118	BRS	L118	64	odor and deoderiz$	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/07/19 13:00		
119	BRS	L119	62	odor and (((554/227).CCLS.) or ((554/175).CCLS.))	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
120	BRS	L120	2	6441228.pn.	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/07/19 13:00		
121	BRS	L121	2	odor and 560/99.ccls.	USPAT; EPO; JPO; DERWENT	2004/07/19 13:00		
122	BRS	L122	5	3506704.pn.	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/07/19 13:00		
123	IS&R	L123	92	(554/176).CCLS.	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/07/19 13:00		
124	BRS	L124	2	5236987.pn.	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/07/19 13:00		

	Errors
117	0
118	0
119	0
120	0
121	0
122	0
123	0
124	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
125	BRS	L125	11	odor and ((554/176).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/19 13:00		

	Errors
125	0

```
Connecting via Winsock to STN


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LOGINID:SSSPTA1623PAZ

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


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 NEWS  1           Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2           "Ask CAS" for self-help around the clock
 NEWS  3  May 12   EXTEND option available in structure searching
 NEWS  4  May 12   Polymer links for the POLYLINK command completed in REGISTRY
 NEWS  5  May 27   New UPM (Update Code Maximum) field for more efficient patent
                   SDIs in CAplus
 NEWS  6  May 27   CAplus super roles and document types searchable in REGISTRY
 NEWS  7  Jun 22   STN Patent Forums to be held July 19-22, 2004
 NEWS  8  Jun 28   Additional enzyme-catalyzed reactions added to CASREACT
 NEWS  9  Jun 28   ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
                   and WATER from CSA now available on STN(R)
 NEWS 10  Jul 12   BEILSTEIN enhanced with new display and select options,
                   resulting in a closer connection to BABS

 NEWS EXPRESS  MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 06:07:16 ON 19 JUL 2004

=> ile reg
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Some commands only work in certain files.  For example, the EXPAND
command can only be used to look at the index in a file which has an
index.  Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                    0.21       0.21

FILE 'REGISTRY' ENTERED AT 06:07:25 ON 19 JUL 2004
```

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 16 JUL 2004 HIGHEST RN 711603-12-2
DICTIONARY FILE UPDATES: 16 JUL 2004 HIGHEST RN 711603-12-2

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

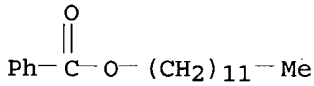
Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

```
=> e dodecyl benzoate/cn
E1            1     DODECYL BARIUM SULFATE,  BA(O3SOC12H25)2/CN
E2            1     DODECYL BEHENATE/CN
E3            1 --> DODECYL BENZOATE/CN
E4            1     DODECYL BENZYL SUCCINATE/CN
E5            1     DODECYL BETAINE/CN
E6            1     DODECYL BIS(2-HYDROXYETHYL)OCTYLAMMONIUM BROMIDE/CN
E7            1     DODECYL BIS(2-HYDROXYETHYL)SULFONIUM SULFATE/CN
E8            1     DODECYL BORATE/CN
E9            1     DODECYL BORATE (C12H25O)3B/CN
E10           1     DODECYL BROMIDE/CN
E11           1     DODECYL BROMOACETATE/CN
E12           1     DODECYL BUTANOATE/CN

=> e3
L1            1 "DODECYL BENZOATE"/CN

=> d l1

L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   2915-72-2  REGISTRY
CN   Benzoic acid, dodecyl ester (6CI, 7CI, 8CI, 9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Dodecyl alcohol, benzoate
CN   Dodecyl benzoate
CN   Lauryl benzoate
CN   n-Dodecyl benzoate
FS   3D CONCORD
DR   27615-31-2
MF   C19 H30 O2
CI   COM
LC   STN Files:   BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST,
       IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL
         (*File contains numerically searchable property data)
     Other Sources:   EINECS**, NDSL**, TSCA**
         (**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA  CAplus document type:  Journal; Patent
RL.P   Roles from patents:  ANST (Analytical study); BIOL (Biological study);
       PREP (Preparation); USES (Uses)
RLD.P  Roles for non-specific derivatives from patents:  USES (Uses)
RL.NP  Roles from non-patents:  ANST (Analytical study); BIOL (Biological
       study); PREP (Preparation); PROC (Process); PRP (Properties); USES
       (Uses); NORL (No role in record)
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

36 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
36 REFERENCES IN FILE CAPLUS (1907 TO DATE)
11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

```
=> e tetradecyl benzoate/cn
E1            1      TETRADECYL AMMONIUM SULFATE/CN
E2            1      TETRADECYL BENZENESULFONATE/CN
E3            0 --> TETRADECYL BENZOATE/CN
E4            1      TETRADECYL BETAINATE/CN
E5            1      TETRADECYL BIS(2-HYDROXYETHYL)SULFONIUM SULFATE/CN
E6            1      TETRADECYL BORATE ((C14H29O)2B(OH))/CN
E7            1      TETRADECYL BROMIDE/CN
E8            1      TETRADECYL BROMOACETATE/CN
E9            1      TETRADECYL BUTANOATE/CN
E10           1      TETRADECYL BUTYRATE/CN
E11           1      TETRADECYL CAPRATE/CN
E12           1      TETRADECYL CAPROATE/CN

=> e tridecyl benzoate/cn
E1            1      TRIDECYL ALCOHOL-ETHYLENE OXIDE-PROPYLENE OXIDE ADDUCT/CN
E2            1      TRIDECYL ALDEHYDE/CN
E3            0 --> TRIDECYL BENZOATE/CN
E4            1      TRIDECYL BROMIDE/CN
E5            1      TRIDECYL CELLULOSE/CN
E6            1      TRIDECYL CHLORIDE/CN
E7            1      TRIDECYL CHLOROACETATE/CN
E8            1      TRIDECYL CHLOROFORMATE/CN
E9            1      TRIDECYL CHLOROSULFINATE/CN
E10           1      TRIDECYL CHLOROSULFITE/CN
E11           1      TRIDECYL CITRATE/CN
E12           1      TRIDECYL CYCLOPROPANECARBOXYLATE/CN

=> eneodol/cn
L2            0 ENEODOL/CN

=> e neodol/cn
E1            1      NEODODECANOL, CARBONATE (2:1)/CN
E2            1      NEODODECYL ALCOHOL/CN
E3            0 --> NEODOL/CN
E4            1      NEODOL 1/CN
E5            1      NEODOL 1-3/CN
E6            1      NEODOL 1-3 PHOSPHATE/CN
E7            1      NEODOL 1-5/CN
E8            1      NEODOL 1-6/CN
E9            1      NEODOL 1-7/CN
E10           1      NEODOL 1-73B/CN
E11           1      NEODOL 1-9/CN
E12           1      NEODOL 135-7E/CN

=> e pentadecyl/cn
E1            1      PENTADECIPHENYL, 4,4''''''''''''''-DICHLOROHEXACONTAFLUORO-/
                     CN
E2            1      PENTADECITOL, 2,6-ANHYDRO-7,8,12,13-TETRADEOXY-8-METHYL-/CN
```

```
E3            1 --> PENTADECYL/CN
E4            1     PENTADECYL B-CHLOROVINYL KETONE/CN
E5            1     PENTADECYL 2-PYRIDYL SULFIDE/CN
E6            1     PENTADECYL 4-METHYLHEPTANOATE/CN
E7            1     PENTADECYL ACETATE/CN
E8            1     PENTADECYL ACETOACETATE/CN
E9            1     PENTADECYL ACRYLATE/CN
E10           1     PENTADECYL ACRYLATE HOMOPOLYMER/CN
E11           1     PENTADECYL ALCOHOL/CN
E12           1     PENTADECYL ALCOHOL SODIUM ETHOXYSULFATE/CN

=> e3
L3            1 PENTADECYL/CN

=> d l3

L3   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   25136-16-7  REGISTRY
CN   Pentadecyl (8CI, 9CI)  (CA INDEX NAME)
MF   C15 H31
LC   STN Files:   BEILSTEIN*, BIOSIS, CA, CAPLUS, TOXCENTER
        (*File contains numerically searchable property data)
DT.CA  CAplus document type:  Journal
RL.NP  Roles from non-patents:  BIOL (Biological study); FORM (Formation,
       nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process);
       PRP (Properties); RACT (Reactant or reagent); USES (Uses)
```

$Me-(CH_2)_{13}-CH_2$

```
              4 REFERENCES IN FILE CA (1907 TO DATE)
              4 REFERENCES IN FILE CAPLUS (1907 TO DATE)


=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    21.03      21.24

FILE 'CAPLUS' ENTERED AT 06:13:24 ON 19 JUL 2004
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FILE COVERS 1907 - 19 Jul 2004  VOL 141 ISS 4
FILE LAST UPDATED: 18 Jul 2004  (20040718/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> l1/prep
            36 L1
```

```
      3172377 PREP/RL
L4          11 L1/PREP
                (L1 (L) PREP/RL)

=> l3/prep
            4 L3
      3172377 PREP/RL
L5          1 L3/PREP
                (L3 (L) PREP/RL)

=> d l5 ti fbib abs

L5   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Molecularly Tunable "Organic Capacitors" at Silicon/Aqueous Electrolyte
     Interfaces
AN   2000:767291  CAPLUS
DN   134:49876
TI   Molecularly Tunable "Organic Capacitors" at Silicon/Aqueous Electrolyte
     Interfaces
AU   Yu, Hua-Zhong; Morin, Sylvie; Wayner, Danial D. M.; Allongue, Philippe; de
     Villeneuve, Catherine Henry
CS   Steacie Institute for Molecular Sciences, National Research Council
     Canada, Ottawa, ON, K1A 0R6, Can.
SO   Journal of Physical Chemistry B (2000), 104(47), 11157-11161
     CODEN: JPCBFK; ISSN: 1089-5647
PB   American Chemical Society
DT   Journal
LA   English
AB   Robust and uniform n-alkyl monolayers were formed on Si from the reaction
     of Grignard regents (n-CnH2n+1MgBr, n = 2, 6, 10, and 15) with
     H-terminated Si(111). The capacitive properties of these organic thin films
     on Si in contact with aqueous electrolytes were evaluated by electrochem.
     impedance measurements. In particular, the reciprocal capacitance of the
     organic thin film modified Si/aqueous electrolyte interfaces is proportional to
     the film thickness, which is tunable by simply varying the alkyl chain
     length. The derived dielec. constant of these organic thin films from the best
     fit of the reciprocal capacitance vs. ellipsometric film thickness plot is
     ε = 3.3 ± 0.6.
RE.CNT  18    THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> d l4 6-11 ti fbib abs

L4   ANSWER 6 OF 11  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Radical mediated oxidations in organic chemistry. 2. The direct
     preparation of esters from aldehydes
AN   1991:23105  CAPLUS
DN   114:23105
TI   Radical mediated oxidations in organic chemistry. 2. The direct
     preparation of esters from aldehydes
AU   Marko, Istvan E.; Mekhalfia, Abdelaziz; Ollis, W. David
CS   Dep. Chem., Univ. Sheffield, Sheffield, S3 7HF, UK
SO   Synlett (1990), (6), 347-8
     CODEN: SYNLES; ISSN: 0936-5214
DT   Journal
LA   English
OS   CASREACT 114:23105
AB   The NBS oxidation of trimethylsilyl ethers catalyzed by AIBN was used as the
     basis for a highly efficient and versatile preparation of mixed esters from
     aliphatic and aromatic aldehydes and aliphatic trimethylsilyl ethers. Thus, a
     solution of cyclohexanecarboxaldehyde and 1-(trimethylsilyloxy)dodocane in
     CCl4 was treated with AIBN and then NBS and the mixture was heated 15 min at
     95° to give 75% dodecyl cyclohexanecarboxylate. Aromatic aldehydes
     require the presence of a catalytic amount of trimethylsilyl triflate to
```

give the mixed ester directly.

L4 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
TI Benzoic acid esters as coalescing agents for paint composition
AN 1989:214811 CAPLUS
DN 110:214811
TI Benzoic acid esters as coalescing agents for paint composition
IN Arendt, William D.
PA Velsicol Chemical Corp., USA
SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8900173	A2	19890112	WO 1988-US2147	19880629
	WO 8900173	A3	19890209		
	W: JP				
	RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
				US 1987-69394	19870702

PATENT FAMILY INFORMATION:
FAN 1994:79535

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5236987	A	19930817	US 1991-716895	19910618
				US 1987-69394	19870702
				US 1990-604349	19901025

OS MARPAT 110:214811
AB BzOCHR(CH2)nMe (R = H, when n = 8-10 or Me when n = 7-9) are prepared The compds. are useful as plasticizers in caulks and plastisols and coalescing agents in paints. Condensation of 2 mol isodecyl alc. with 2.05 mol benzoic acid in PhMe in the presence of p-MeC6H4SO3 gave 98.3% ester (I). A paint composition of H2O 258.6, ethylene glycol 20, Colloid 643 2.0, Biobau CS 1135 2 , Cellosize FR 1500 4.5, AMP-95 1.0, Colloid 224 5.0, Triton N 101 2.0, Tronox CR 800 220.0, Sanitone 1 110.0, Snowflake 120.0, H2O 8.6, and I 6.6 lb had initial Stormer viscosity 78 KU, d. 11.68 lb/gal., color reflectance 91.32, hiding power 0.9730, 60° gloss 2.5, and oven stability (viscosity decrease after 6 days at 120°) 7.69%.

L4 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
TI Effect of copper salts on the alkylation of carboxylate ions by sulfonium salts
AN 1984:85347 CAPLUS
DN 100:85347
TI Effect of copper salts on the alkylation of carboxylate ions by sulfonium salts
AU Badet, B.; Julia, M.; Ramirez-Munoz, M.; Sarrazin, C. A.
CS Lab. Chim., Ecol. Norm. Super., Paris, 75231/05, Fr.
SO Tetrahedron (1983), 39(19), 3111-25
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA French
OS CASREACT 100:85347
AB BzOK, AcOK, and BzOH-K2CO3 were alkylated using sulfonium salts Ph2S+R, PhS+R1R2, R3S+R42, or R5R6S+CH2CH:CH2 [R = Me, Et, Pr, Bu, allyl, CHMe2, CH2Ph; R1, R6 = lauryl, Me; R2 = allyl, lauryl; R3 = Me, Pr, CHMe2, CMe3, allyl, methallyl, 2-octyl, prenyl, lauryl; R4 = Me, Pr, allyl, lauryl, (CH2)4,5; R5 = Et, Ph]. Mixts. of esters were obtained. In the presence of Cu(I) salts, the reaction of allylic sulfonium salts became very selective in favor of the unsatd. residues. Prenyl sulfonium salts, which reacted through the α-position in the absence of Cu salts, gave exclusively tertiary esters when a catalytic amount of CuBr was present.

L4 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

TI Transesterification of methyl benzoate
AN 1981:442688 CAPLUS
DN 95:42688
TI Transesterification of methyl benzoate
IN Constantin, Andrei; Pompilia, Ioanan; Virgil, Popa; Gheroghe, Voicu
PA Combinatul Petrochimic, Brazi, Rom.
SO Rom., 2 pp.
CODEN: RUXXA3
DT Patent
LA Romanian
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	RO 67033	B	19791030	RO 1975-84254	19751219
				RO 1975-84254	19751219

AB BzOMe reacted with C6-12 alkanols, and the resp. ethylalkanols, and PhCH2OH over Zn, Cd, Mg, Ca, Sr, Ba, Cu, Pb, Mn, Co, or Ni acetate or oxide at 160-350° and atmospheric pressure. Thus, MeOBz was heated with PhCH2OH and Cd(OAc)2 3-4 h at 180-230° to give PhCH2OBz.

L4 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
TI Aromatic alkyl esters
AN 1979:186610 CAPLUS
DN 90:186610
TI Aromatic alkyl esters
IN Malek, Jaroslav; Broz, Ludek; Zelena, Eva
PA Czech.
SO Czech., 4 pp.
CODEN: CZXXA9
DT Patent
LA Czech
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CS 175322	B	19770531	CS 1975-8645	19751217
				CS 1975-8645	19751217

AB Boiling RCONH2 with R1OH in the presence of Sn2+, Cd2+, Mn2+, or Pb2+ salts (oxide, acetate) gave 54-96% RCO2R1 (R = Ph, p-O2NC6H4, p-ClC6H4, PhCH2, 3-pyridyl; R1 = C7-12 alkyl). Also prepared was 83% 1,4-C6H4(CO2C18H37)2. In the absence of a metal catalyst the yields were 1-18%.

L4 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
TI Fatty esters of aromatic acids
AN 1970:455840 CAPLUS
DN 73:55840
TI Fatty esters of aromatic acids
IN Miller, Leonard E.; Danzik, Mitchell
PA Chevron Research Co.
SO U.S., 4 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3506704	A	19700414	US 1964-375917	19640617
				US 1964-375917	19640617

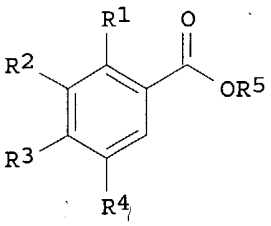
AB In a liquid phase reaction, esters and anhydrous HBr were produced by heating 1 mole C4-20 n-alkyl bromides with 1-10 moles liquefiable RC6H4CO2H, in which R = H or an C<11 alkyl group, or di basic acids, e.g. adipic, sebacic, suberic at 150-300°. LiBr, CaBr, Bu3N.HBr or the corresponding benzoates were used as catalysts; the Li salts were especially effective. For instance, 1 mole n-C11-15 alkyl bromide and 8 moles benzoic acid was heated under N to 250° to give n-C11-15 benzoate

and HBr.

=> d l4 1-5 ti fbib abs

L4 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
TI One-pot preparation of esters from carboxylic acids using the PPh3-CCl3CN system
AN 2003:573683 CAPLUS
DN 139:364403
TI One-pot preparation of esters from carboxylic acids using the PPh3-CCl3CN system
AU Ok Jang, Doo; Cho, Dae Hyan; Kim, Joong-Gon
CS Department of Chemistry, Yonsei University, Wonju, S. Korea
SO Synthetic Communications (2003), 33(16), 2885-2890
CODEN: SYNCAV; ISSN: 0039-7911
PB Marcel Dekker, Inc.
DT Journal
LA English
OS CASREACT 139:364403
AB A convenient one-pot process for preparing various esters from carboxylic acids using the Ph3P-CCl3CN was developed. Racemic α-tocopherol, clofibrate and flavoxate were prepared in high yields using this method.
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
TI Non-antibiotic antibacterial activity of dodecyl gallate
AN 2003:52768 CAPLUS
DN 140:14703
TI Non-antibiotic antibacterial activity of dodecyl gallate
AU Kubo, Isao; Fujita, Ken-ichi; Nihei, Ken-ichi; Masuoka, Noriyoshi
CS Department of Environmental Science, Policy and Management, University of California, Berkeley, CA, 94720-3112, USA
SO Bioorganic & Medicinal Chemistry (2003), 11(4), 573-580
CODEN: BMECEP; ISSN: 0968-0896
PB Elsevier Science Ltd.
DT Journal
LA English
GI



I

AB Dodecyl (C12) gallate (3,4,5-trihydroxybenzoate) (I) was found to possess antibacterial activity specifically against Gram-pos. bacteria, in addition to its potent antioxidant activity. The time-kill curve study indicates that this amphipathic gallate exhibits bactericidal activity against methicillin-resistant Staphylococcus aureus (MRSA) strains. I inhibited oxygen consumption in whole cells and oxidation of NADH in membrane preparation The antibacterial activity of this gallate comes in part from its ability to inhibit the membrane respiratory chain. As far as alkyl gallates are concerned, their antimicrobial spectra and potency depend in part on the hydrophobic portion of the mol.

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
TI Esterification reactions catalyzed by surfactant-coated Candida rugosa lipase in organic solvents
AN 2002:181285 CAPLUS
DN 137:184493
TI Esterification reactions catalyzed by surfactant-coated Candida rugosa lipase in organic solvents
AU Wu, Jin-Chuan; Song, Bao-Dong; Xing, Ai-Hua; Hayashi, Y.; Talukder, M. M. R.; Wang, Shi-Chang
CS School of Chemical Engineering and Technology, Chemical Engineering Research Center, Tianjin University, Tianjin, 300072, Peop. Rep. China
SO Process Biochemistry (Oxford, United Kingdom) (2002), 37(11), 1229-1233
CODEN: PBCHE5; ISSN: 1359-5113
PB Elsevier Science Ltd.
DT Journal
LA English
AB Lipase from Candida rugosa was coated with glutamic acid didodecyl ester ribitol amide as catalyst in organic solvents. The surfactant-coated lipase showed considerable activity for the esterification of lauryl alc. and lauric acid in iso-octane, while almost no activity was observed when the native powder lipase was used. The optimal pH of the buffer used for preparation of the coated lipase was around 7. The optimum reaction temperature was around 30 °C and the best solvent was iso-octane. The half-life of the coated lipase at 30 °C was ≈10 h. The surfactant-coated Candida rugosa lipase was most suitable for catalyzing esterification reactions of fatty acid and fatty alc. both with a medium chain length.
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
TI Ester preparation from aldehydes and alkyl hypochlorites
AN 1996:605061 CAPLUS
DN 126:7783
TI Ester preparation from aldehydes and alkyl hypochlorites
AU Bikbulatov, R. R.; Zorin, V. V.; Zorina, L. N.; Rakhmankulov, D. L.
CS Nauchno-Issledovatel'skii Institut Tonkogo Organicheskogo Sinteza, Ufa, Russia
SO Zhurnal Obshchei Khimii (1996), 66(7), 1224
CODEN: ZOKHA4; ISSN: 0044-460X
PB Nauka
DT Journal
LA Russian
AB Pr and dodecyl butyrate and benzoate were prepared from the corresponding aldehydes and alkyl hypochlorites in 55-89% yield.

L4 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
TI An effective combination of triphenylphosphine and benzyl azide for O- and N-alkylations of carboxylic acids and imides with alcohols
AN 1993:123775 CAPLUS
DN 118:123775
TI An effective combination of triphenylphosphine and benzyl azide for O- and N-alkylations of carboxylic acids and imides with alcohols
AU Torii, Sigeru; Okumoto, Hiroshi; Fujikawa, Masahiro; Abdur Rashid, M.
CS Fac. Eng., Okayama Univ., Okayama, 700, Japan
SO Chemistry Express (1992), 7(12), 933-6
CODEN: CHEXEU; ISSN: 0911-9566
DT Journal
LA English
OS CASREACT 118:123775
AB A combination of PPh3 and PhCH2N3 effected esterification of carboxylic

acids and N-alkylation of imides with primary alcs. in high yields under neutral conditions. Thus, reaction of primary alcs. R1OH (e.g., dodecyl alc.) with acids R2CO2H (e.g., AcOH) and 1.5 equiv each of PPh3 and PhCH2N3 in refluxing THF gave esters R2CO2R1 in 53-99% yield. Attempted esterifications with tertiary alcs. failed. Reaction of R1OH (e.g., PhCH2OH, but not CF3CH2OH or secondary alcs.) with R3CONHCOR3 (e.g., phthalimide) gave 71-86% R3CONR1COR3. Reactions proceed via generation of an iminophosphorane reagent. The method provides an alternative procedure for the preparation of esters and N-alkylimides under neutral conditions with simple isolation of product.

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COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
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http://www.cas.org/ONLINE/DBSS/registryss.html

=> e isodecyl alcohol/cn
E1            1      ISODECYL ACRYLATE-TRIMETHYLOLPROPANE TRIACRYLATE COPOLYMER/C
                     N
E2            1      ISODECYL ACRYLATE-VINYLPYRROLIDONE COPOLYMER/CN
E3            1 --> ISODECYL ALCOHOL/CN
E4            1      ISODECYL ALCOHOL, A-(DIMETHYLAMINO)-P-TOLYL PHOSPHITE
                     (2:1)/CN
E5            1      ISODECYL ALCOHOL, 1-NAPHTHYL PHOSPHITE (2:1)/CN
E6            1      ISODECYL ALCOHOL, 2-NAPHTHYL PHOSPHITE (2:1)/CN
E7            1      ISODECYL ALCOHOL, 7-OXABICYCLO(4.1.0)HEPTANE-3,4-DICARBOXYLA
                     TE (2:1)/CN
E8            1      ISODECYL ALCOHOL, ACRYLATE/CN
E9            1      ISODECYL ALCOHOL, ADIPATE (2:1)/CN
E10           1      ISODECYL ALCOHOL, AZELAATE (2:1)/CN
E11           1      ISODECYL ALCOHOL, BIS(4-BIPHENYLYL) PHOSPHITE/CN
E12           1      ISODECYL ALCOHOL, BIS(P-HYDROXYPHENYL) PHOSPHITE/CN

=> e3
L6            1 "ISODECYL ALCOHOL"/CN

=> d
```

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 25339-17-7 REGISTRY
CN Isodecanol (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN **Isodecyl alcohol (6CI, 7CI, 8CI)**
OTHER NAMES:
CN Exxal 10
DR 12758-52-0, 50973-08-5
MF C10 H22 O
CI IDS, COM
LC STN Files: AQUIRE, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CHEMSAFE, CIN, CSCHEM, DETHERM*, HSDB*, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, NIOSHTIC, PDLCOM*, PROMT, RTECS*, TOXCENTER, ULIDAT, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Conference; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)

(iso-$C_{10}H_{21}$) — OH

397 REFERENCES IN FILE CA (1907 TO DATE)
35 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
398 REFERENCES IN FILE CAPLUS (1907 TO DATE)
23 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> FIL STNGUIDE

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FULL ESTIMATED COST	0.06	86.02
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL

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FULL ESTIMATED COST                                       0.06      86.02

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
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COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
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FULL ESTIMATED COST                                       0.06      86.02

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FILE LAST UPDATED: 18 Jul 2004  (20040718/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> d his

     (FILE 'HOME' ENTERED AT 06:07:16 ON 19 JUL 2004)
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     FILE 'REGISTRY' ENTERED AT 06:07:25 ON 19 JUL 2004
                E DODECYL BENZOATE/CN
L1             1 E3
                E TETRADECYL BENZOATE/CN
                E TRIDECYL BENZOATE/CN
L2             0 ENEODOL/CN
                E NEODOL/CN
                E PENTADECYL/CN
L3             1 E3

     FILE 'CAPLUS' ENTERED AT 06:13:24 ON 19 JUL 2004
L4            11 L1/PREP
L5             1 L3/PREP

     FILE 'REGISTRY' ENTERED AT 06:32:18 ON 19 JUL 2004
                E ISODECYL ALCOHOL/CN
L6             1 E3

     FILE 'STNGUIDE' ENTERED AT 06:33:57 ON 19 JUL 2004

     FILE 'CAPLUS' ENTERED AT 07:01:06 ON 19 JUL 2004

=> logoff hold
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
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FULL ESTIMATED COST                                0.46      86.48

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                0.00      -8.82

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FULL ESTIMATED COST                                0.46      86.48

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                  ENTRY    SESSION
CA SUBSCRIBER PRICE                                0.00      -8.82

=> file beilstein
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
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FULL ESTIMATED COST                                0.92      86.94

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
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FILE 'BEILSTEIN' ENTERED AT 07:21:38 ON 19 JUL 2004

FILE RELOADED ON OCTOBER 20, 2002
FILE LAST UPDATED ON JUNE 15, 2004

FILE COVERS 1771 TO 2003.
*** FILE CONTAINS 8,997,153 SUBSTANCES ***

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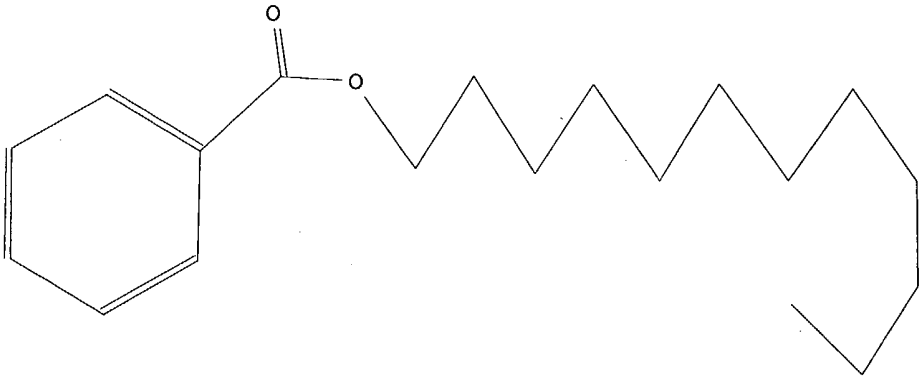
=> l1
L7 1 L1

=> d l7

L7 ANSWER 1 OF 1 BEILSTEIN COPYRIGHT 2004 BEILSTEIN MDL on STN

Beilstein Records (BRN):	1973192
Beilstein Pref. RN (BPR):	2915-72-2
CAS Reg. No. (RN):	**2915-72-2**
Chemical Name (CN):	benzoic acid dodecyl ester, Dodecyl benzoate
Autonom Name (AUN):	benzoic acid dodecyl ester
Molec. Formula (MF):	C19 H30 O2
Molecular Weight (MW):	290.44
Lawson Number (LN):	10581, 380
Compound Type (CTYPE):	isocyclic
Constitution ID (CONSID):	1831142
Tautomer ID (TAUTID):	1880711
Beilstein Citation (BSO):	3-09-00-00400, 4-09-00-00295, 5-09, 6-09
Entry Date (DED):	1989/06/29
Update Date (DUPD):	2004/01/21



Field Availability:

Code	Name	Occurrence
BRN	Beilstein Records	1
BPR	Beilstein Preferred RN	1
RN	CAS Registry Number	1
CN	Chemical Name	2
AUN	Autonomname	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	2
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	4
ED	Entry Date	1
UPD	Update Date	1
BP	Boiling Point	7
DEN	Density (Liquid)	2
FINFO	Further Information	1
IR	Infrared Spectrum	1
KV	Kinematic Viscosity	2
MP	Melting Point	2
MS	Mass Spectrum	1
NMR	Nuclear Magnetic Resonance	2
PHARM	Pharmacological Data	4
RI	Refractive Index	5
UVS	UV and Visible Spectrum	1
XREF	Crossfile Reference	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence
RX	Reaction Documents	17
RXPRO	Substance is Reaction Product	17

=> d bso

L7 ANSWER 1 OF 1 BEILSTEIN COPYRIGHT 2004 BEILSTEIN MDL on STN

```
     Beilstein Citation (BSO):        3-09-00-00400, 4-09-00-00295, 5-09, 6-09


=> d xref


L7   ANSWER 1 OF 1 BEILSTEIN COPYRIGHT 2004 BEILSTEIN MDL on STN

Crossfile Reference:
XREF
     Name (.CN):                      dodecyl benzoate
     Crossfile Source (.SO/OS):       EINECS
     External Access ID (.ID):        220-837-7


=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    28.19     115.13

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -8.82

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:27:17 ON 19 JUL 2004

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'BEILSTEIN' AT 08:05:45 ON 19 JUL 2004
FILE 'BEILSTEIN' ENTERED AT 08:05:45 ON 19 JUL 2004
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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    28.25     115.19

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -8.82

=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    29.03     115.97

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -8.82

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:13:17 ON 19 JUL 2004

Connecting via Winsock to STN
```

```
Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'BEILSTEIN' AT 08:47:23 ON 19 JUL 2004
FILE 'BEILSTEIN' ENTERED AT 08:47:23 ON 19 JUL 2004
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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      29.03     115.97

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -8.82

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      29.03     115.97

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -8.82

FILE 'CAPLUS' ENTERED AT 08:47:37 ON 19 JUL 2004
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FILE COVERS 1907 - 19 Jul 2004  VOL 141 ISS 4
FILE LAST UPDATED: 18 Jul 2004  (20040718/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> d his

     (FILE 'HOME' ENTERED AT 06:07:16 ON 19 JUL 2004)

     FILE 'REGISTRY' ENTERED AT 06:07:25 ON 19 JUL 2004
                E DODECYL BENZOATE/CN
L1            1 E3
                E TETRADECYL BENZOATE/CN
                E TRIDECYL BENZOATE/CN
L2            0 ENEODOL/CN
                E NEODOL/CN
```

```
                E PENTADECYL/CN
L3              1 E3

     FILE 'CAPLUS' ENTERED AT 06:13:24 ON 19 JUL 2004
L4             11 L1/PREP
L5              1 L3/PREP

     FILE 'REGISTRY' ENTERED AT 06:32:18 ON 19 JUL 2004
                E ISODECYL ALCOHOL/CN
L6              1 E3

     FILE 'STNGUIDE' ENTERED AT 06:33:57 ON 19 JUL 2004

     FILE 'CAPLUS' ENTERED AT 07:01:06 ON 19 JUL 2004

     FILE 'BEILSTEIN' ENTERED AT 07:21:38 ON 19 JUL 2004
L7              1 L1

     FILE 'CAPLUS' ENTERED AT 08:47:37 ON 19 JUL 2004

=> logoff hold
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                               0.46     116.43

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                               0.00      -8.82

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:47:48 ON 19 JUL 2004

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 09:23:18 ON 19 JUL 2004
FILE 'CAPLUS' ENTERED AT 09:23:18 ON 19 JUL 2004
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COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                               0.46     116.43

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                               0.00      -8.82

=> logoff hold
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                               0.46     116.43

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                               0.00      -8.82

 SESSION WILL BE HELD FOR 60 MINUTES
```

STN INTERNATIONAL SESSION SUSPENDED AT 09:23:25 ON 19 JUL 2004